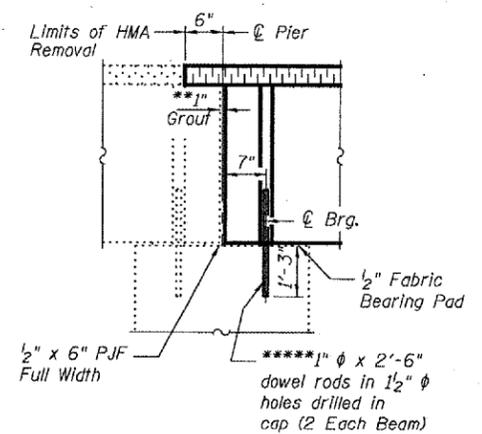


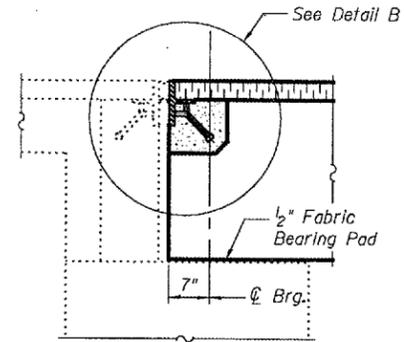
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	POSTS	SHEET NO.	SHEET NO. 3
FA 885		POPE	21	15	3 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT			

Contract Number: 78018



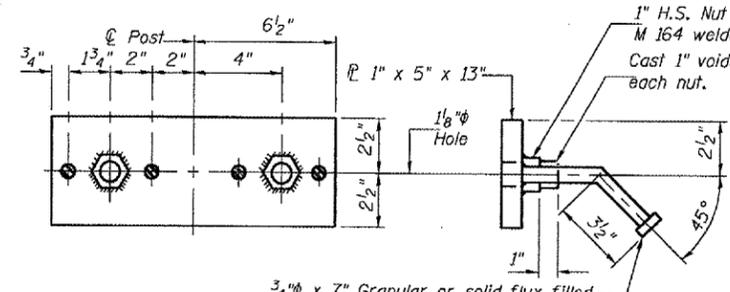
TYPICAL SECTION AT PIER



TYPICAL SECTION AT ABUTMENT

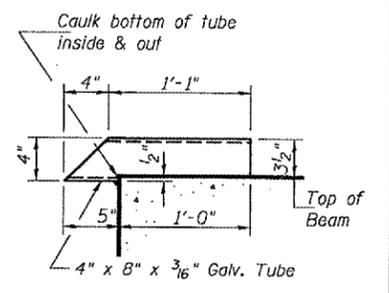
**1" joint shall be filled with non-shrink grout. This dimension may vary plus or minus to accommodate tolerance in beam lengths.

*****Existing Dowel Rods shall be cut off and ground flush with the top of the existing concrete. Cost to be included in the cost of Removal of Existing P.P.C. Deck Beams. New Dowel Rods shall be grouted after beams are in place and allowed to cure a Minimum of 24 hours prior to grouting shear keys.



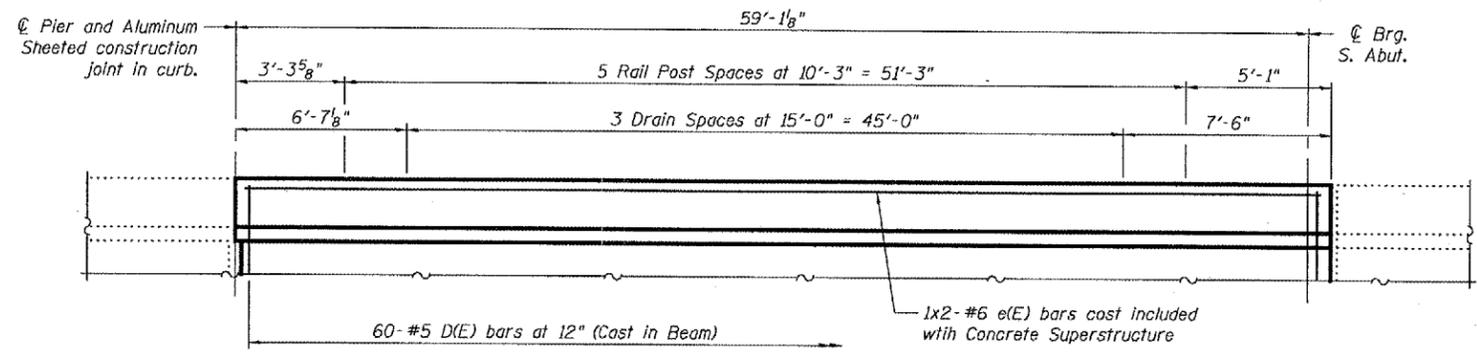
TOP ANCHOR DEVICE

3/4" x 7" Granular or solid flux filled headed studs conforming to Article 1006.32 of the Standard Specification automatically end welded. 4 required per plate.

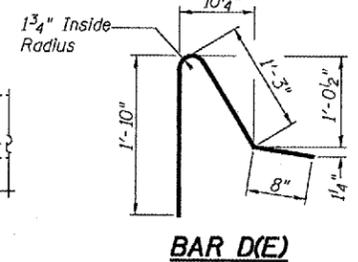


DRAIN DETAIL

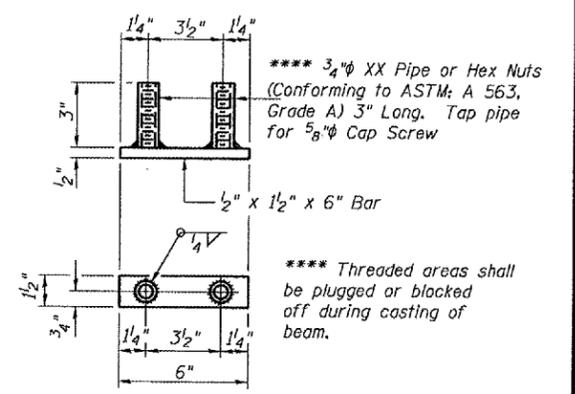
Cost included with Concrete Superstructures



CURB ELEVATION



BAR D(E)

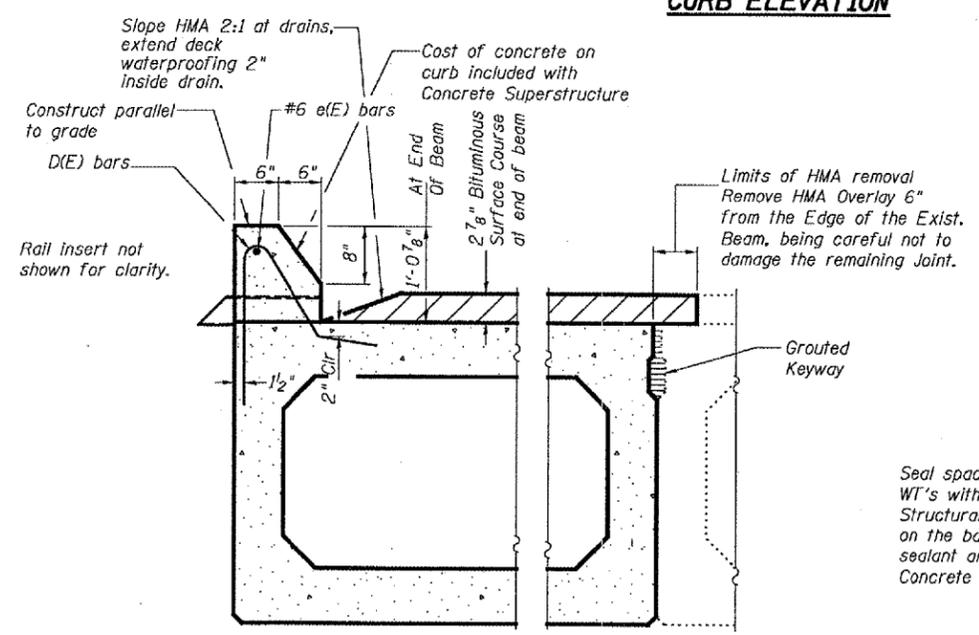


BOTTOM ANCHOR DEVICE

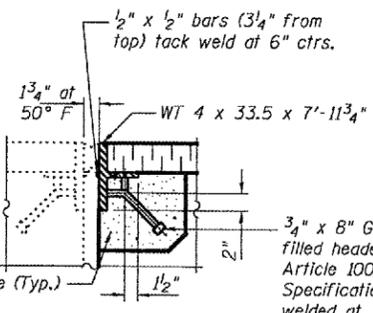
The cost of removing and re-erecting the existing railing and post with all applicable new hardware shall be included in the cost of Removing and Re-erecting Existing Railing. The work shall be paid for at the contract unit price per foot for Removing and Re-erecting Existing Railing.

NOTES

All steel shapes and plates shall conform to the requirements of AASHTO M 270 Grade 36 except posts and angles shall conform to AASHTO M 270, Grade 50.
Bolts, cap screws, and nuts shall conform to the requirements of ASTM designation A 307 except for high strength bolts, nuts and washers noted which shall conform to AASHTO M 164.
All bolts, nuts, cap screws, washers and lock washers shall be galvanized according to AASHTO M 232.
All anchor devices and angles shall be galvanized after shop fabrication according to AASHTO M 111 and ASTM A 385. Galvanized rail shall not be painted.
The lower portion of the post flange in contact with concrete shall receive two coats of asphalt paint conforming to Section 1060.07 Type II or place 1/8" fabric bearing pad between the post and concrete.
The 3/4" high strength bolts used to connect the 6 x 4 x 3/4 angles to the post shall be tightened according to Article 505.04(f)(3) of the Standard Specifications. The 1" high strength bolts connecting the angles to the concrete shall be tightened to a snug fit and given an additional 1/8 turn. The 5/8" cap screws in bottom of posts shall be tightened to a snug fit only.
Cost of the anchorage devices is included with the cost of Precast Prestressed Concrete Deck Beams (27" Depth).



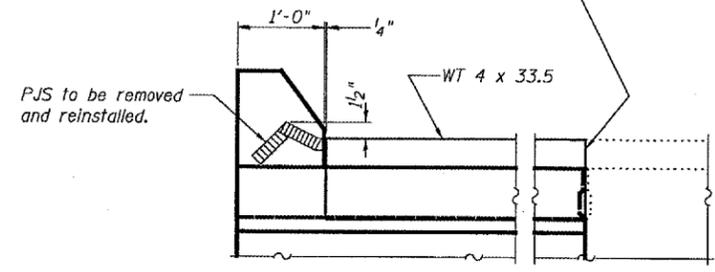
TYPICAL SECTION THRU CURB



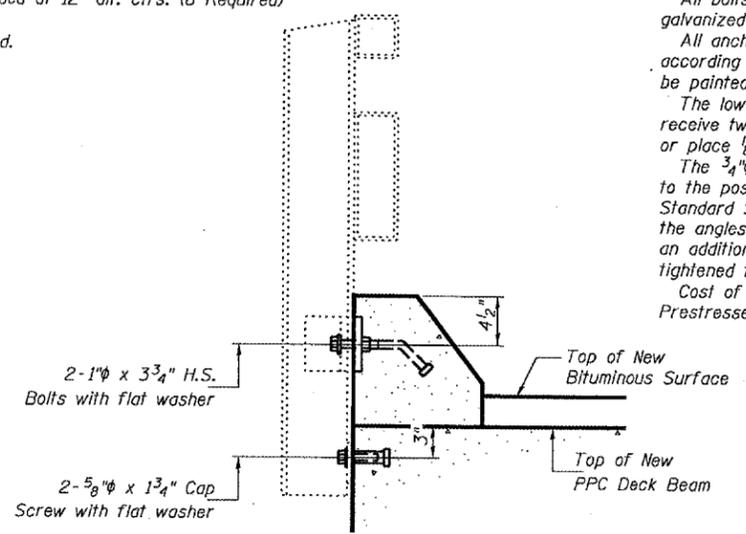
DETAIL B

Existing 2 1/2" P.J.S. to be removed and re-installed.
***Cost included with Concrete Superstructure.

Seal space between existing and new WT's with silicone sealant suitable for Structural Steel on front side. Weld WT's on the backside. Cost of WT, silicone sealant and welding is included with Concrete Superstructure.



END OF SEAL TREATMENT



SECTION AT RAIL POST

RAIL AND CURB DETAILS
F.A.S. RT. 2936
PULASKI COUNTY
SN 077-0016

DESIGNED	V.H.V.	November 14, 2007
CHECKED	A.T.H.	EXAMINED <i>Carl Krusey</i>
DRAWN	Drew Christopher	PASSED <i>Ralph E. Anderson</i>
CHECKED	V.H.V. A.T.H.	ENGINEER OF BRIDGES AND STRUCTURES